Works Information

PROJECT TITLE     MICHAEL DEMOBILISATION
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WI 100  Description of the work

Removal of a temporary outfall pipeline, Kennel blocks and break chamber at the former Michael Colliery at East Wemyss in Fife. This pipeline is currently conveying water from No.2 shaft to a discharge point 25m beyond the mean low water spring (MLWS) in the Firth of Forth.

Removal of all existing headworks and pipework within the shaft cap compound area. Existing STS hired equipment on site will be removed prior to the commencement of these works.

Removal of control cabinet, shaft pipework and pumps. This equipment to be transferred to a storage location at the existing Frances MWT Scheme. Existing damage to the shaft boundary fence to be made secure.

Existing shaft cap penetrations to be covered by contractor designed secure removable covers.


WI 200  General constraints on how the Contractor Provides the Works

WI 205 General constraints

•  Use of the Site

The main working area is within the existing Shaft No 2 compound and around the temporary pipeline which runs from Shaft No.2, behind the small copse of trees in an approximate southerly direction before turning and following a south-easterly direction across the coastal footpath, over a small cliff and across the foreshore. The pipe extends 25m below MLWS. There is a further shaft, Shaft No 1, approximately 20m to the north east of Shaft 2 which is indicated on Coal Authority records as being filled and capped although the exact details of this treatment is not known. Construction traffic should be directed away from running across this shaft.

Much of the intertidal area adjacent to the site is classified as a Special Protection Area (SPA) under the European Wild Birds Directive and also designated as a Ramsar Wetland of International Importance. The SPA was classified to give greater protection to the internationally important numbers of waders and wildfowl which visit the area during winter and on migration. The beach and coastal area that runs along the south-east boundary of the site are also within the Firth of Forth SSSI which has been designated for its various species of breeding and non-breeding birds, as well as for geology, palaeontology, and other scientific interests; however, at this location it has been designated for the same species that are covered by the SPA designation. Consequently the foreshore and intertidal zone is a protected area and there are likely to be restrictions in place.
which will affect any proposed works. The works will need to consider and minimise the impact they will have on this environmentally sensitive area during works.

Other site constraints

See sections 910 for detailed of all known underground and overhead services

- **Land Ownership**

The majority of land on which the site is located is owned by Wemyss Estates. The Crown Estate own the foreshore over which the pipeline will run to the Firth of Forth. Permission has been granted by the Estate to carry out the works (Crown Licence No. FI-35-11).

- **Access to the Site**

The site access track and site area are shown on drawing MT333696-001. Access to the site is available from Back Dykes road, to the East of the site. The nearest postcode is KY1 4RX. Back Dykes Lane passes a scrap yard and boat storage yard and is approximately 3-4m wide, although there is scope to widen if necessary. There is a locked barrier at the end of this unmade track. A key is held by Severn Trent Services and a copy can be obtained in advance of the start date. Back Dyke Lane leads onto a concrete track which slopes upward towards the cliff edge. The site is open to the public who have access via the Fife Coastal Path which runs in a NE-SW direction through the site. The concrete capped mine shafts are reached via tracks that lead from the coastal path and can also be accessed by the public, although access to existing pumping site is restricted by high, metal palisade fencing. The Fife Coastal Path runs through the site and provision will need to be made to ensure that access along this path remains both during the demobilisation works and when removing the pipeline.

The Contractor should prepare and implement a Traffic & Access Management Plan for the duration of the site works. The plan should allow for safe access and egress at the site. Access and egress by third party suppliers or sub-contractors should be planned.

- **Site Compound**

Drawing number MT333696-001 shows the proposed access routes and the site compound location for welfare and generators. The area is approximately 20x20m and is on a flat grassed area adjacent to shaft cap.

- **Deliveries**

All deliveries of materials for the works will need to be managed and accepted by the Contractor. The Contractor should appoint a named individual, responsible for managing materials handling on site including that of any sub-contractors used.

The Contractor shall organise material ordering, delivery and storage in order to incorporate industry best practice, such that:

- Reuse existing site won materials where considered suitable
• The length of time materials are stored on site is minimised
• Delivered quantities can be safely and appropriately stored on site
• Appropriate preparations are made on site to receive the goods
• All deliveries to be met by a person authorised to check the materials delivered and sign the delivery receipt
• Deliveries to site are checked as soon as they arrive and before offloading commences.

• **Working Hours**

The nearest dwelling is over 100m of the working area however some site activities may be overlooked by residential properties. The Contractor should act in a considerate manner during the works to maintain good public relations for TCA for the future.

Normal Working Hours 08:00 – 17:00 Monday to Friday

Proposed working hours outside these hours will need to be agreed with the Coal Authority Project Manager.

**WI 215 Security and protection of the Site**

In addition to contractors working hours on the project a further security guard will maintain 24 hour site security for the duration of the project i.e. ensuring perimeter gates are closed and challenging/reporting unauthorised access.

Temporary site gates will be secured by a combination padlocks. The code for these shall be provided to TCA.

**WI 220 Site operation**

Severn Trent Services (STS) currently have operational responsibilities for pumps, generators and security within the fenced shaft cap and adjacent compound. Prior to commencement of these works STS will arrange for the pumps to be turned off and will remove all of their existing hired equipment on site, this will include a generator, diesel tank and site security system.

The Contractor shall allow and maintain safe access to all site visitors.

**WI 300 Contractor’s design**

As preferred construction techniques and plant used to carry out works in the marine environment vary, the Contractor shall provide specifications, details and calculations to confirm suitability of the proposed plant and method to remove the outfall.

Existing shaft cap penetrations to be covered by contractor designed secure removable covers. Drawing SD_021_RevA_Mine Shaft Inspection Cover and Frame Detail in Appendix 8 shows a typical detail and specification, the contractor is to submit his design for the existing openings above Shaft No2 for approval.
Completion of the works shall be achieved once the works as identified in Section 100 have been undertaken and the handover process as stated below is completed.

**Handover process**

Contractor shall arrange a pre-handover meeting, to be held two weeks before the planned Handover Meeting. Two weeks’ notice shall be given to attendees of this meeting.

Any defects identified at the Pre-handover meeting shall have been addressed.

The following are required to be issued prior to the handover meeting and signing of the handover certificate:

- **Draft Health and Safety File including:**
  - Details of shaft covers
  - Any other relevant Information for the Health and Safety File

The handover certificate will not be accepted until the above information has been supplied and accepted by TCA.

The following information shall be issued via Conject within 28 days of handover;

- Final information for the Health and Safety File

**Programme**

A programme shall be prepared by the Contractor and submitted under Clause 31 of the contract. A programme shall be accordance with the contract and shall as a minimum contain:

- All requirements from Clause 31
- The planned dates for submission of information and other things by the Contractor;
- The dates of the project meetings including handover and pre-handover meetings;
- Identify the critical path for the delivery of the services and activities;
- Submission of drawings for handover;
- Dates when the Operator or Employer is required to attend;
- Identify Employer acceptance requirements and
- Include the constraints as stated in Works Information.

The programme is to include a Gantt chart. All elements of the programme are to be submitted in paper and electronic copies. The electronic copies are in:

- the software in which the programme was prepared and
- Adobe acrobat format (pdf).
The Contractor ensures that the electronic copy in the software in which the programme was prepared is to be capable of being read by MS Project 2013.

**WI 600 Quality assurance**

All works to be carried out as per attached details specification drawings and documents as detailed under section 1300. No further specific requirements over and above the framework is required.

The Contractor shall operate a Quality Management System complying with BS EN ISO 9002.

The Contractor shall describe the Quality Management System that he intends to operate for the implementation scheme in a Quality Plan.

The Contractor shall comply with all quality procedures for delivering the works.

**WI 700 Tests and inspections**

Inspection of site prior to handover

**WI 800 Management of the works**

**WI 810 Communications**

- Conject shall be used for all contract communications and information exchange and design approvals.
- A start up meeting will be held at the Employer's Mansfield office
- A pre handover meeting will be arranged and held 2 weeks prior to projected handover date
- Handover meeting shall be held on site. Any defects identified at the Pre-handover meeting shall have been addressed.
- A handover meeting to be arranged and held which shall include signing of the Handover Certificate and will conclude the handover of the work area to the contractor.
- Formal progress meetings will be held monthly.
- Formal progress reporting will be required on a weekly basis.

**WI 900 Working with the Employer and Others**

**WI 905 Sharing the Working Areas with the Employer or others**

The Employer's operator may require access to the site. Once the site is under the control of the Contractor this shall be by agreement. No reasonable request shall be refused.
WI 910 Authorities and utilities providers

- A services search is available on Conject.

WI 1000 Services and other things to be provided

WI 1005 The Contractor shall provide the following for the use of the Employer, Project Manager or Others

- Shared office space with contractor

WI 1010 Services and other things to be provided by the Employer

- Access to the Site
- Space for accommodation

WI 1100 Health and safety

The Contractor shall comply with the requirements of the Employer’s ‘Safety, Health and Environment Guideline For Contractors’ document:

The Pre-construction Information required under CDM Regulations 2015 is supplied via Conject

The Contractor shall provide a Construction Phase Plan (CPP) for review to TCA a minimum of 2 weeks prior to the commencement of works.

WI 1200 Subcontracting

As per NEC and framework contract.

WI 1300 Employer’s work specifications, drawings and other reference documents

WI 1310 Planning Approval

- Demobilisation works are within Coal Authority Permitted Development.
- East Fife council to be informed of works commencing
- Method statement to be approved by Marine Scotland.

WI 1315 Demobilisation Specification

Works are to be undertaken in accordance with
Employer’s Works Specification

Please refer to drawing number: 2018-05-21 Figure 1 - Sketch Drawing.

<table>
<thead>
<tr>
<th>Michael Demobilisation Figure 1 Reference</th>
<th>Ref</th>
<th>Item</th>
<th>Detail</th>
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</table>
|                                         | 1   | Inside fenced compound removal of pumps, shaft pipework, headworks and control cabinet. | • All headworks and pipework to be removed and transported to storage location at existing Frances MWT Scheme, fence to be made secure  
• Control cabinet, shaft pipework and pumps to be removed and transported to storage location at existing Frances MWT Scheme  
• On removal of equipment shaft cap penetrations to be covered by a contractor designed secure removable cover. |
|                                         | 2   | Pipeline to be removed at shaft fence boundary. | • Fence panel pipe goes through to be replaced to visually match colour and type of adjacent panels.  
• All pipeline materials to be disposed of off-site.  
• Concrete thrust/anchor block to be disposed of off-site. |
|                                         | 3   | Buried pipe to be removed, surface to be reinstated to match surrounds | • Pipe to be excavated and disposed of off-site.  
• Reinstatement to provide level surface visually in keeping with adjacent surrounds.  
• Reinstatement of vegetated areas to comprise topsoil and grass/other seeding (as appropriate).  
• Reinstatement of path areas to provide compacted level gravel surface, free of trip hazards.  
• Public access along paths to be maintained at all times. |
|                                         | 4   | Reinstate stock proof fencing to visually match adjacent panels. | • Fencing to be secure and to visually match adjacent panels.  
• Public access along paths to be maintained at all times. |
|                                         | 5   | Reinstate cut and fill earthworks to original (adjacent) levels. | • Reinstatement to provide level surface visually in keeping with adjacent surrounds.  
• Reinstatement of vegetated areas to comprise topsoil and grass/other seeding (as appropriate). |
|                                         | 6   | Remove Kennel blocks and pipe. | • Works method and timing to consider wading birds.  
• Kennel blocks and pipe to be disposed of off-site |
|                                         | 7   | Remove break chamber. | • Materials to be disposed of off-site. |
**WI1330 Other Relevant Documents**

The following permit and licences are being obtained by the Coal Authority in relation to the works. These will be supplied to the contractor prior to the commencement of works. A copy of the Forth Ports and Marine Scotland Licences for the installation of the existing pipeline is attached for information.

- Marine Scotland – Marine Licence.
- Forth Ports Limited – Forth Ports Licence
- The Marine Licence may contain conditions that could constrain construction proposals. Details of the Licences and Permit shall be provided to the Contractor once received. The Contractor shall check the Licences and Permit against his proposed method of works.

**Drawings:**

- 2018-09-18 MT333696-001 - Michael Colliery Site Location Plan
- 2018-09-18 MT333696-002 - Michael Colliery Existing Site Layout
- 2018-02-12 MT333696-003 - Michael Colliery Exclusion Zones
- 2018-05-21 Figure 1 - Sketch Drawing
NOTES
1. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED/VERIFIED ON SITE. IF IN DOUBT ASK.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
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MICHAEL COLLIER
SITE LOCATION PLAN

Public Safety & Subsidence
200 Lichfield Lane
Manfield
Nottinghamshire
NG18 4RG
Tel. 01623 637000

Project Title:

Drawing Title:

SCALE

ISSUES & REVISIONS

Drw Rev Date Details of issue / revision

Rev

Details of issue / revision

D1

PUBLIC SAFETY & SUBSIDENCE
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MICHAEL COLLIER
SITE LOCATION PLAN

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KEY

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1. Inside fenced compound removal of pumps, shaft pipework, headworks and control cabinet.

2. Pipeline to be removed.

3. Buried pipe to be removed, surface to be reinstated to match surrounds.

4. Reinstate mesh fencing.

5. Reinstate cut and fill earthworks to original (adjacent) levels.

6. Remove Kennel blocks and pipe.

7. Remove break chamber.

Notes: